

Yash Kulkarni

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EDUCATION

Master of Engineering in Computer Science | Virginia Tech

Aug 2023 – Present

Bachelor of Technology in Computer Science | MIT World Peace University

Jun 2018 – Jun 2022

WORK EXPERIENCE

Cvent

Jun 2024 – Aug 2024

Software Engineer Intern

Tysons, VA

- Developed a feature to summarize penetration test outcomes using **Python**, **React.js** and **PostgreSQL**, reducing report generation time by **60%** and enabling efficient reporting for **50+** security assessments annually.
- Integrated Cvent's **AI Writing Assistant** to ensure uniformity in tone and style of customer-facing documents, enhancing clarity and reducing editing time by **20%**.
- Optimized application performance and resolved **10+** critical bugs, improving functionality and reducing processing time by **30%**, resulting in seamless user experience for internal teams.
- Enhanced the end-to-end application responsible for generating customer-facing artifacts, directly impacting the delivery of **1000+** reports annually with improved consistency and efficiency.

Plural Technology Pvt. Ltd.

Jul 2022 – Jun 2023

Software Engineer

Pune, India

- Engineered scalable backend services for the seamless ingestion of **20 million** records into the ArangoDB graph database, improving data processing speed by **40%** and enabling real-time query capabilities for enterprise applications.
- Optimized data pipelines using Python, reducing data processing latency by **30%**, which accelerated report generation for critical business insights.
- Built RESTful APIs and analytics tools using SQL and Flask, delivering real-time insights and enhancing decision-making processes for **200+** users daily.
- Deployed and orchestrated containerized services on AWS using ECS and Docker, achieving **99.9%** system uptime and ensuring scalability for high-demand operations.

Plural Technology Pvt. Ltd.

Mar 2021 – Jun 2022

Software Engineer Intern

Pune, India

- Developed and integrated advanced search functionality using Arango-Search on ArangoDB, enabling efficient fuzzy search and improving query accuracy and retrieval time by **35%**.
- Engineered optimized data models with Hackolade, reducing redundancy by **25%** and enhancing system performance through faster and more efficient data retrieval processes.
- Designed and implemented a web-based application to visualize and manage database queries, improving user interaction and reducing query execution time by **30%**.
- Enhanced team productivity by **20%** through the implementation of Agile methodologies, leveraging Jira to streamline sprint planning, task allocation, and progress tracking.

TECHNICAL SKILLS

Languages & Database: Python, Java, C++, JavaScript, TypeScript, React.js, Flask, PostgreSQL, MongoDB

Software & Tools: Tableau, PowerBI, Excel, AWS, Git, Docker, Linux

PROJECTS

E-commerce Website with Recommendation System | *React.js, Django, PostgreSQL*

Aug 2023 - Dec 2023

- Built a full-stack e-commerce platform with React.js and Django, supporting product browsing, purchasing, and reviews.
- Developed a recommendation system with PostgreSQL, increasing user engagement and boosting conversions.
- Designed RESTful APIs in Django and PostgreSQL to manage products, reviews, and orders efficiently.

Automated Attendance System with Face Recognition | *Python, OpenCV, Flask, SQLite*

Jan 2024 - May 2024

- Built a Python-based facial recognition system using OpenCV to automate and streamline student attendance.
- Utilized OpenCV and dlib for real-time, accurate face detection and recognition, significantly improving efficiency.
- Designed a Flask web app enabling faculty to monitor attendance, generate detailed reports, and analyze trends.